

Certified Water Audit Level 1 Validation Document

Audit Information:

Water Supplier Name: **San Francisco Public Utilities Commission**

PWS ID: **3810011**

System Type: **Potable**

Audit Period: **Fiscal Year 2018**

Utility Representation: **Teresa Woo, Chris Hewes**

Validation Date: **10/01/2018**

Call Time: **3:00 PM**

Sufficient Supporting Documents Provided: **YES**

Validation Findings & Confirmation Statement:

Key Audit Metrics:

Data Validity Score: **89** Data Validity Band (Level): **Band IV (71-90)**

ILI: **1.86** Real Loss: **26.63 (gal/conn/day)** Apparent Loss: **7.19 (gal/conn/day)**

Non-revenue water as percent of cost of operating system: **3.7%**

Certification Statement by Validator:

This water loss audit report has been Level 1 validated per the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34.

All recommendations on volume derivation and Data Validity Grades were incorporated into the water audit.

Validator Information:

Water Audit Validator: **Greg Imamura**

Validator Qualifications: **Water Audit Validator Certificate issued by the CA-NV Section of the AWWA**

Validator Provided

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Utility Provided

Water Supplier Name: **SFPUC**

Water Supplier ID Number: **CA3810011** Water Audit Period: **Fiscal 2018**

Water Audit & Water Loss Improvement Steps:

- Incorporated new estimations of unbilled, unmetered consumption (dead-end flushing, service line flushing, and service line flow tests)
- Continued small meter replacement through AML deployment program
- Continued testing implementation of a semi-proactive leak detection program
- Began setting up pilot programs for new leak detection equipment and technology

Certification Statement by Utility Executive:

This water loss audit report meets the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34 and has been prepared in accordance with the method adopted by the American Water Works Association, as contained in their manual, *Water Audit and Loss Control Programs, Manual M36, Fourth Edition* and in the Free Water Audit Software version 5.

Executive Name (Print)

Executive Position

Signature

Date

Kathryn L. Miller, P.E.

Manager, City Distribution
SFPUC Water Enterprise

[Signature] 2mm 10/02/18